

An upper shearing blade 3 equipped with a protrusion 30 of a triangle-columnar shape and a lower shearing blade 4 equipped with a protrusion 40 of the same shape are applied onto the overlapped portions of metal plates 1 and 2 to be bonded, and then pressure is applied into the metal plates 1 and 2 in an oblique direction inclined with respect to the thickness direction of the metal plates by a stroke in such a range that the metal plates 1 and 2 are not completely cut off. The operating locations of the upper shearing blade 3 and the lower shearing blade 4 are overlapped each other so that one falls on the other, and the sheared surfaces of the metal plates 1 and 2 are formed into a bonded portion by plastic deformation. Therein, since a compressive force is applied onto the portions to be bonded, the bonding strength being defined by the amount of overlap, and the thickness of the portions are compressed to form a compressed portion. After completion of bonding, the bonding strength is further enhanced. Besides, since the protrusions 30 and 40 of the shearing blades generate a pressing force onto the sheared surfaces onto each other, by an effect of their inclined surfaces, a compression force is applied onto the bonded portion further increases.

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